

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN012954.D
 Acq On : 08 Dec 2020 00:08
 Operator : CG/JU
 Sample : L4862-14
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B04

Manual Integrations
 APPROVED

mohammad
 12/9/2020 12:21:51 PM

Quant Time: Dec 08 02:06:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 08 00:15:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1028	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	4249	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	2545	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	5324m	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	4620	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	4518	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.75	152	2792	0.44	ng/ul	0.00
14) Fluoranthene-d10	18.85	212	6116	0.42	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.20	128	284	0.023	ng/ul#	69
5) 2-Methylnaphthalene	11.83	142	187	0.023	ng/ul	93
7) Acenaphthylene	13.76	152	280	0.023	ng/ul#	57
12) Phenanthrene	16.85	178	3141	0.176	ng/ul	99
13) Anthracene	16.94	178	548	0.036	ng/ul#	85
15) Fluoranthene	18.88	202	11639	0.549	ng/ul	99
17) Pyrene	19.25	202	12016	0.551	ng/ul	97
18) Benzo(a)anthracene	21.01	228	6682	0.350	ng/ul	99
19) Chrysene	21.07	228	8374	0.397	ng/ul	99
21) Benzo(b)fluoranthene	22.51	252	12558m	0.601	ng/ul	
22) Benzo(k)fluoranthene	22.55	252	4843m	0.210	ng/ul	
23) Benzo(a)pyrene	23.04	252	7765	0.400	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.19	276	5311	0.208	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.19	278	1335	0.066	ng/ul#	66
26) Benzo(g,h,i)perylene	25.82	276	5363	0.233	ng/ul	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

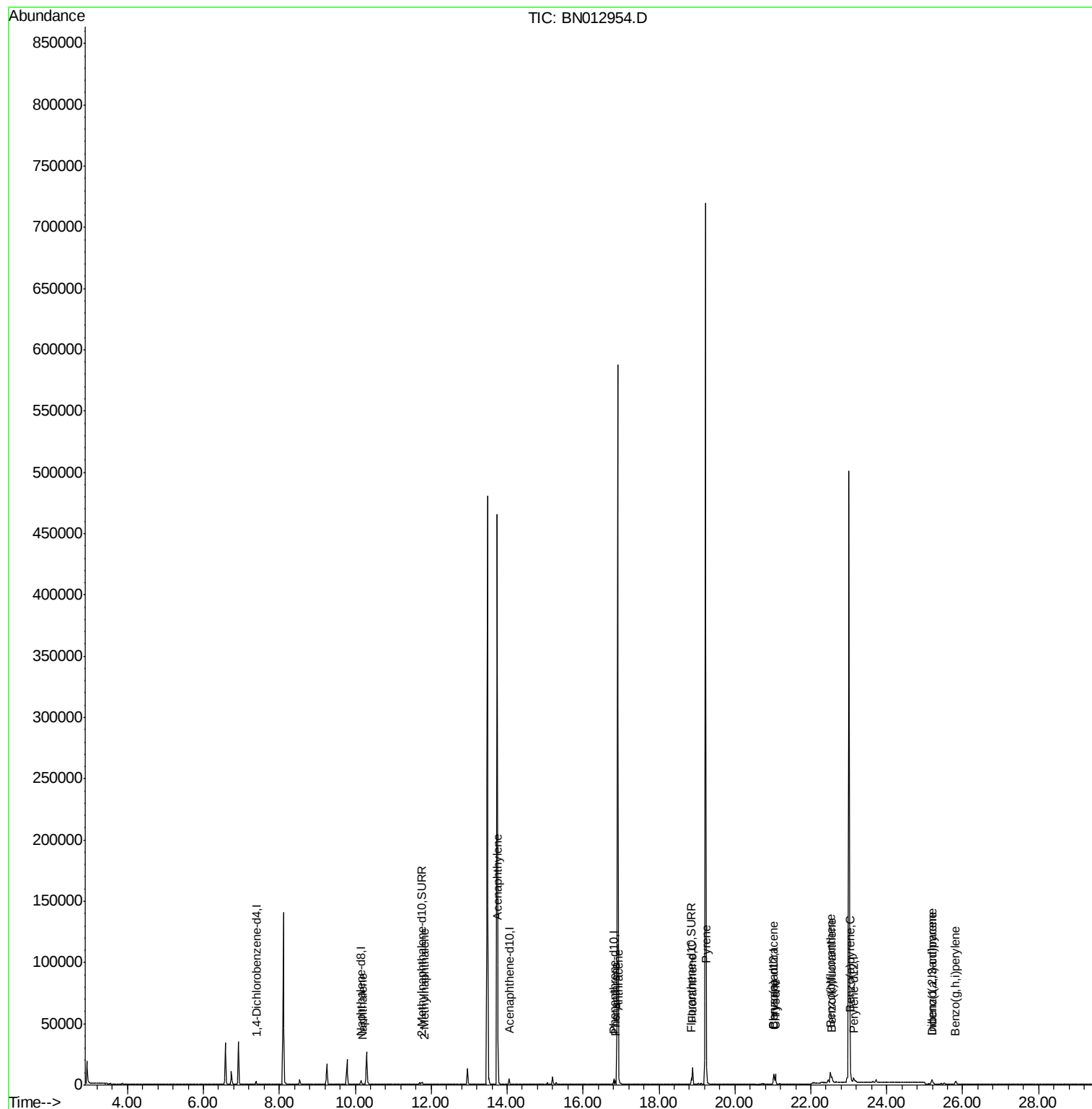
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
Data File : BN012954.D
Acq On : 08 Dec 2020 00:08
Operator : CG/JU
Sample : L4862-14
Misc :
ALS Vial : 23 Sample Multiplier: 1

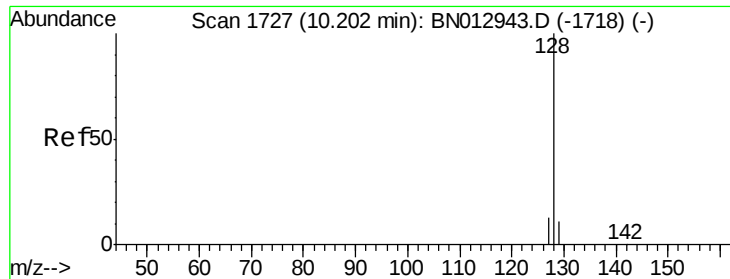
Instrument :
BNA_N
ClientSampleId :
C0B04

Manual Integrations
APPROVED

mohammad
12/9/2020 12:21:51 PM

Quant Time: Dec 08 02:06:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 08 00:15:39 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.023 ng/ul

RT: 10.20 min Scan# 1726

Delta R.T. -0.01 min

Lab File: BN012954.D

Acq: 08 Dec 2020 00:08

Instrument :

BNA_N

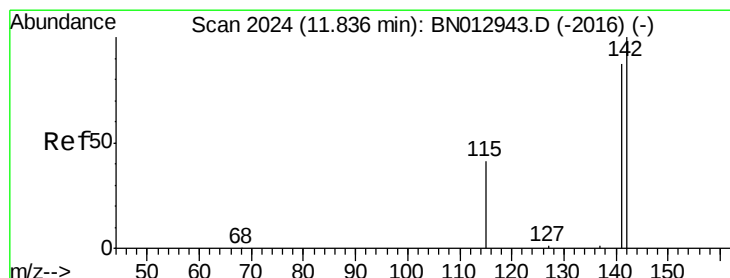
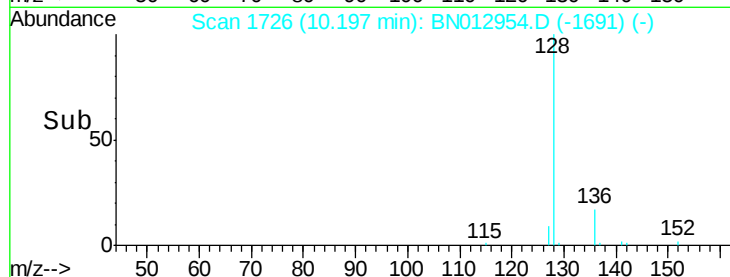
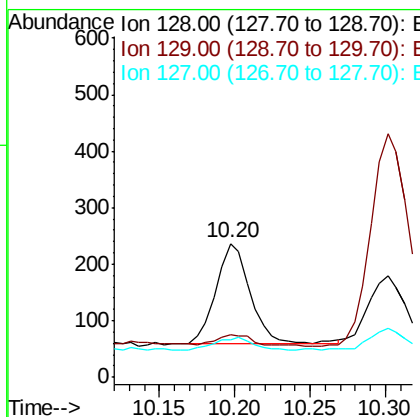
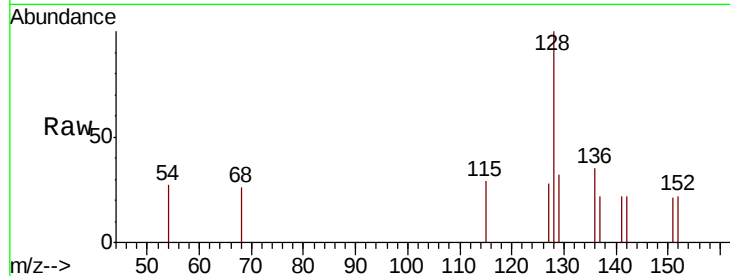
ClientSampled :

C0B04

Tot Ion:	128	Resp:	284
Ion Ratio	Lower	Upper	
128	100		
129	31.6	12.3	18.5#
127	28.3	14.2	21.4#

Manual Integrations
APPROVED

mohammad
12/9/2020 12:21:51 PM



#5

2-Methylnaphthalene

Concen: 0.023 ng/ul

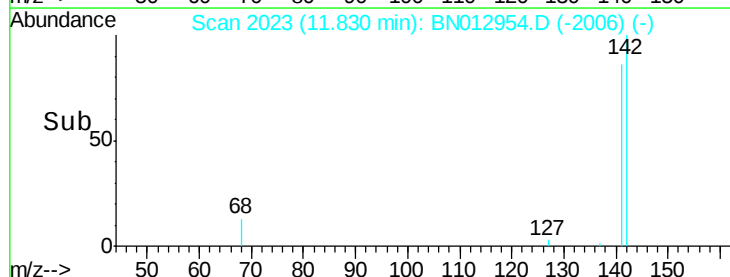
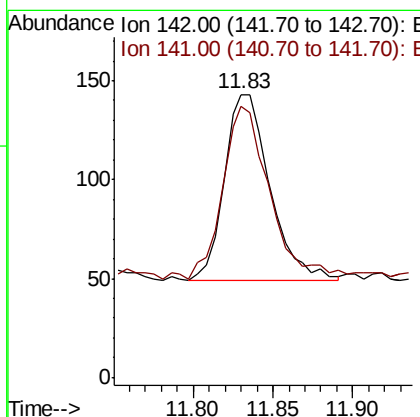
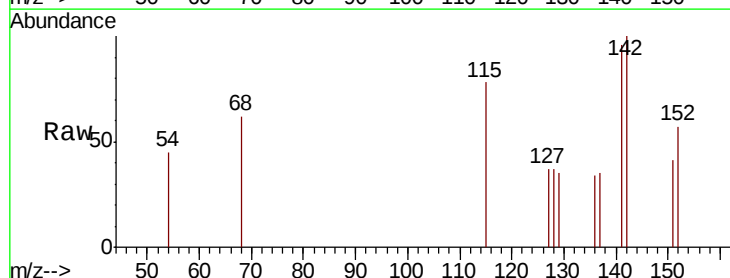
RT: 11.83 min Scan# 2023

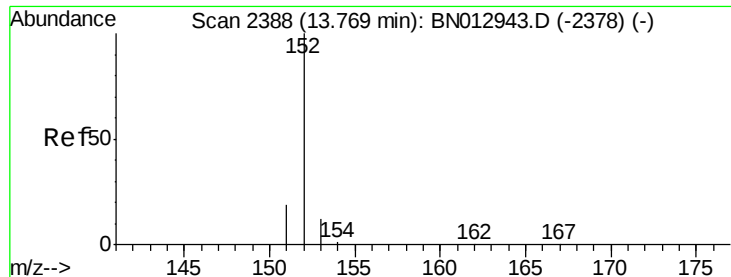
Delta R.T. -0.01 min

Lab File: BN012954.D

Acq: 08 Dec 2020 00:08

Tgt Ion:	142	Resp:	187
Ion Ratio	Lower	Upper	
142	100		
141	97.9	73.0	109.6





#7

Acenaphthylene

Concen: 0.023 ng/ul

RT: 13.76 min Scan# 2387

Delta R.T. -0.00 min

Lab File: BN012954.D

Acq: 08 Dec 2020 00:08

Instrument :

BNA_N

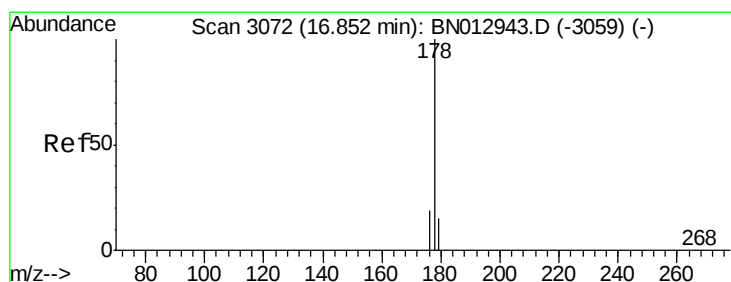
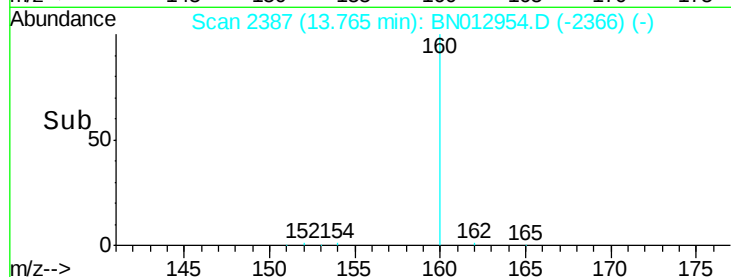
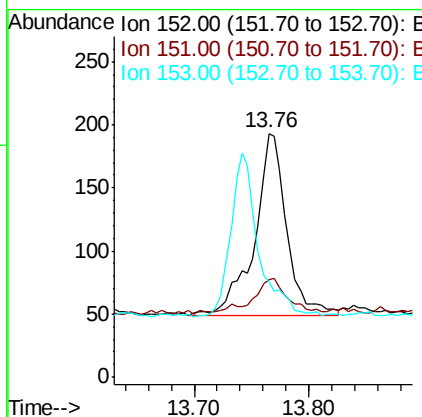
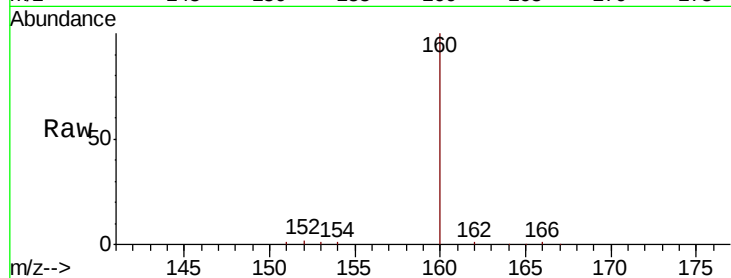
ClientSampleId :

C0B04

Tot Ion:	152	Resp:	280
Ion Ratio	Lower	Upper	
152	100		
151	39.9	18.2	27.4#
153	38.9	13.1	19.7#

Manual Integrations
APPROVED

mohammad
12/9/2020 12:21:51 PM



#12

Phenanthrene

Concen: 0.176 ng/ul

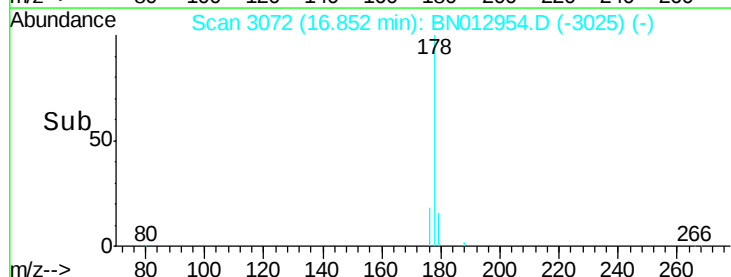
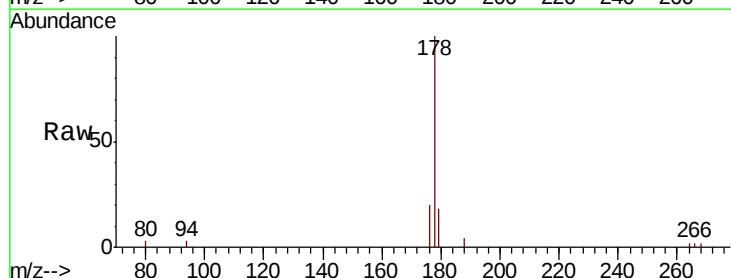
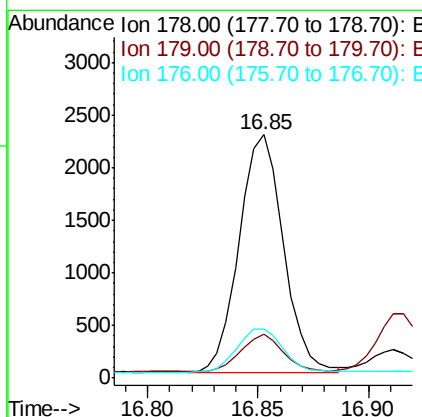
RT: 16.85 min Scan# 3072

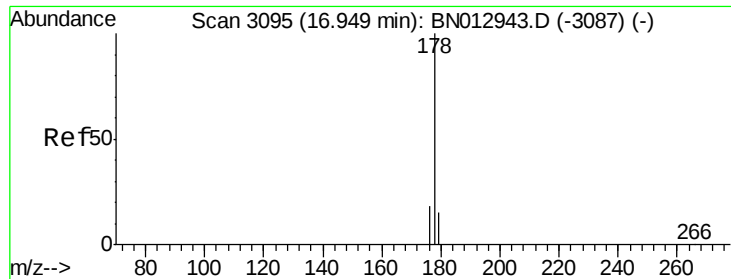
Delta R.T. -0.00 min

Lab File: BN012954.D

Acq: 08 Dec 2020 00:08

Tgt Ion:	178	Resp:	3141
Ion Ratio	Lower	Upper	
178	100		
179	18.2	13.6	20.4
176	20.4	16.4	24.6





#13

Anthracene

Concen: 0.036 ng/ul

RT: 16.94 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BN012954.D

Acq: 08 Dec 2020 00:08

Instrument :

BNA_N

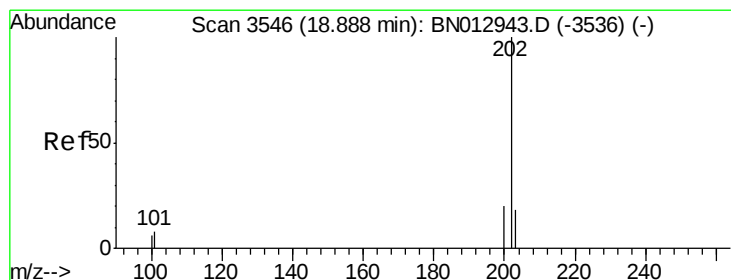
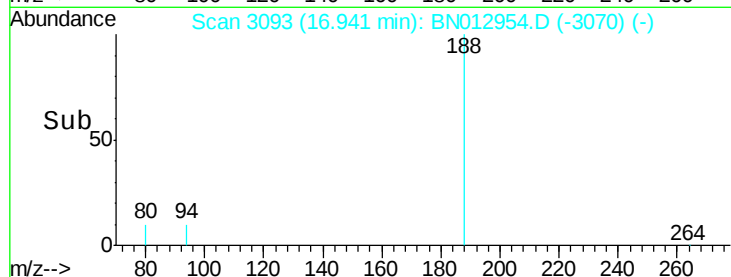
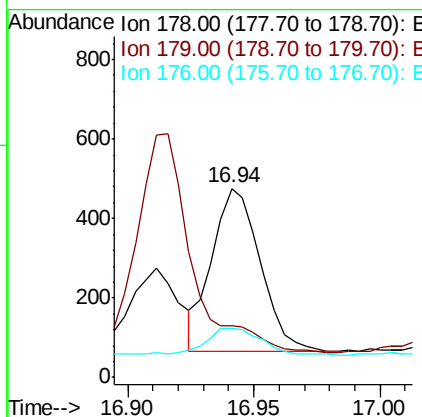
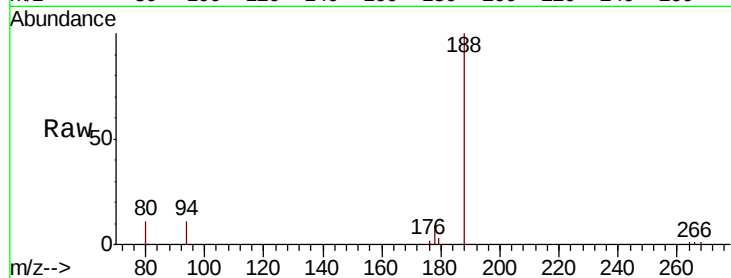
ClientSampleId :

C0B04

Tot Ion:	178	Resp:	548
Ion Ratio	Lower	Upper	
178	100		
179	27.1	14.6	21.8#
176	26.3	17.1	25.7#

Manual Integrations
APPROVED

mohammad
12/9/2020 12:21:51 PM



#15

Fluoranthene

Concen: 0.549 ng/ul

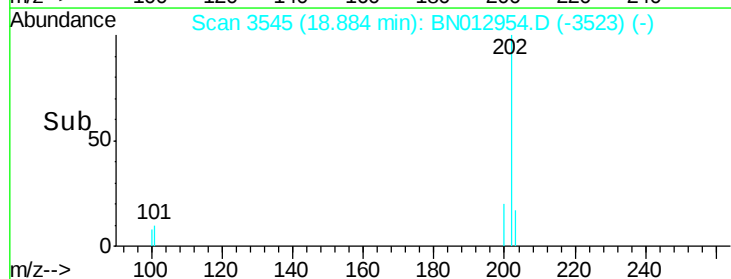
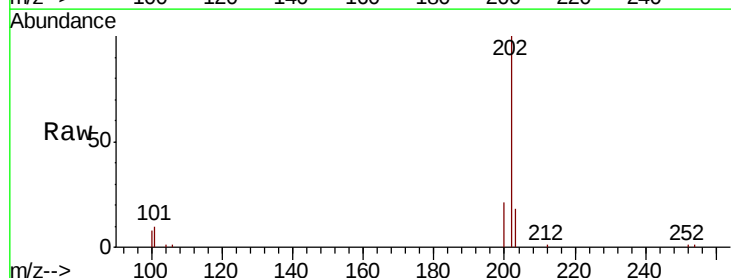
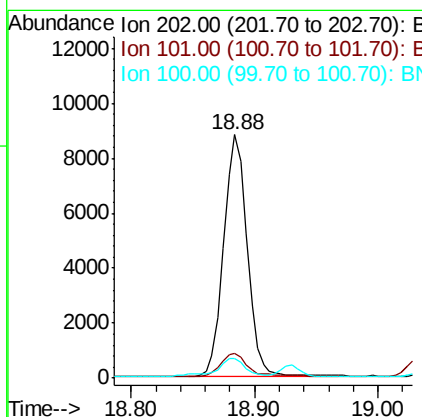
RT: 18.88 min Scan# 3545

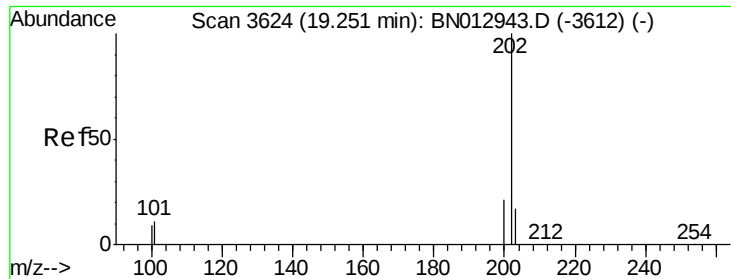
Delta R.T. -0.00 min

Lab File: BN012954.D

Acq: 08 Dec 2020 00:08

Tgt Ion:	202	Resp:	11639
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	30.6
100	8.2	0.0	28.7





#17

Pvrene

Concen: 0.551 ng/ul

RT: 19.25 min Scan# 3624

Delta R.T. -0.00 min

Lab File: BN012954.D

Acq: 08 Dec 2020 00:08

Instrument :

BNA_N

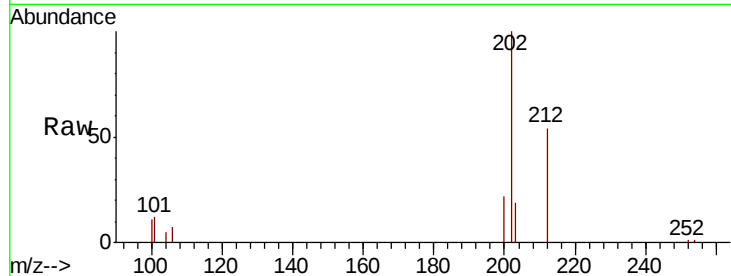
ClientSampleId :

C0B04

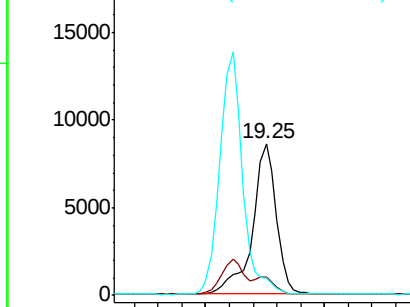
Tot Ion:	202	Resp:	12016
Ion Ratio	Lower	Upper	
202	100		
101	12.2	9.1	13.7
100	11.2	7.5	11.3

Manual Integrations
APPROVED

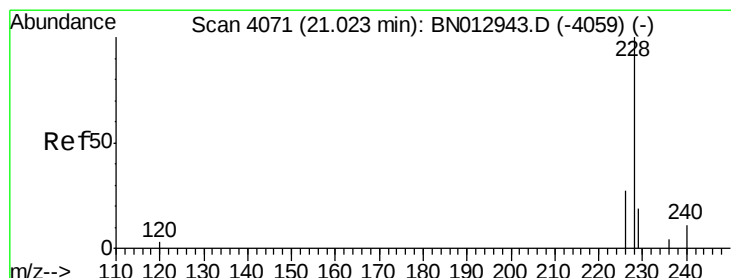
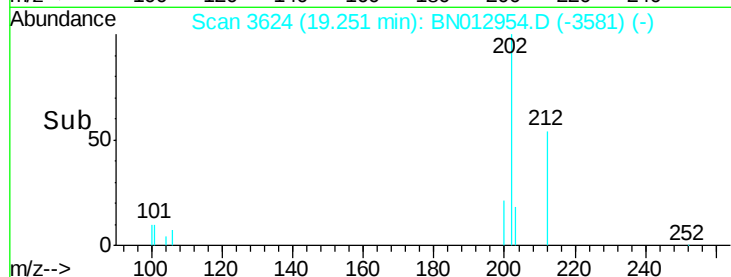
mohammad
12/9/2020 12:21:51 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->



#18

Benzo(a)anthracene

Concen: 0.350 ng/ul

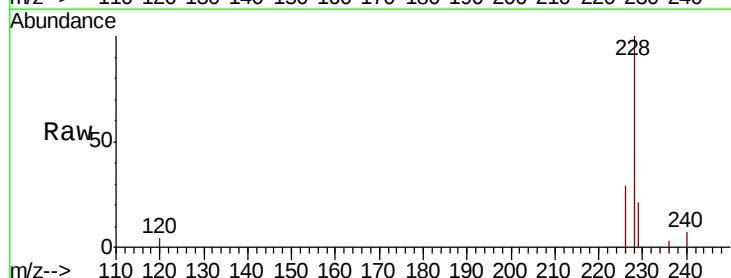
RT: 21.01 min Scan# 4068

Delta R.T. -0.01 min

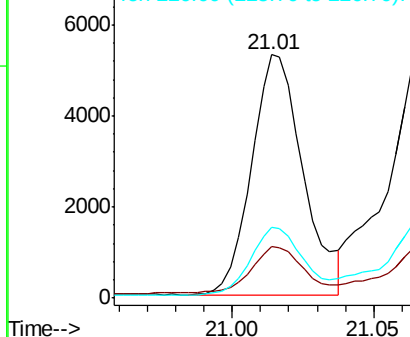
Lab File: BN012954.D

Acq: 08 Dec 2020 00:08

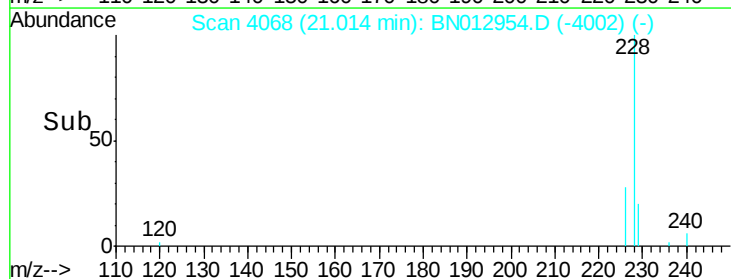
Tgt Ion:	228	Resp:	6682
Ion Ratio	Lower	Upper	
228	100		
229	21.3	16.3	24.5
226	29.1	23.4	35.2

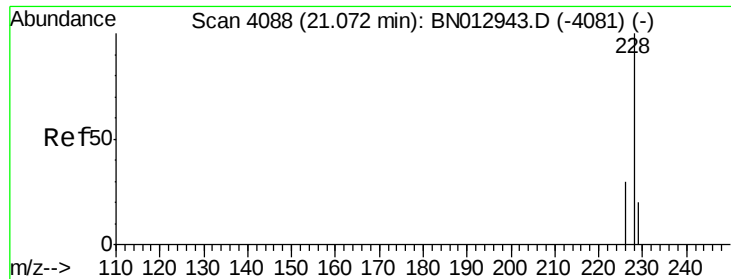


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



Time-->





#19

Chrysene

Concen: 0.397 ng/ul

RT: 21.07 min Scan# 4086

Delta R.T. -0.01 min

Lab File: BN012954.D

Acq: 08 Dec 2020 00:08

Instrument :

BNA_N

ClientSampleId :

C0B04

Tot Ion:228 Resp: 8374

Ion Ratio Lower Upper

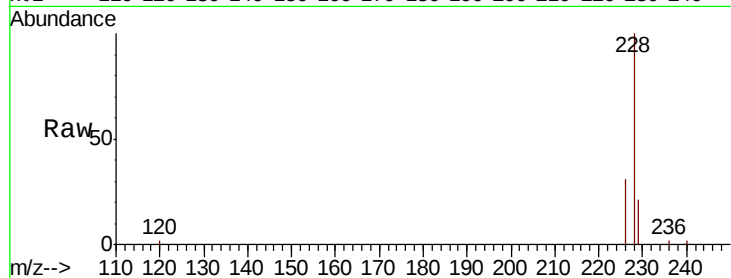
228 100

226 30.9 25.0 37.6

229 20.7 16.4 24.6

Manual Integrations
APPROVED

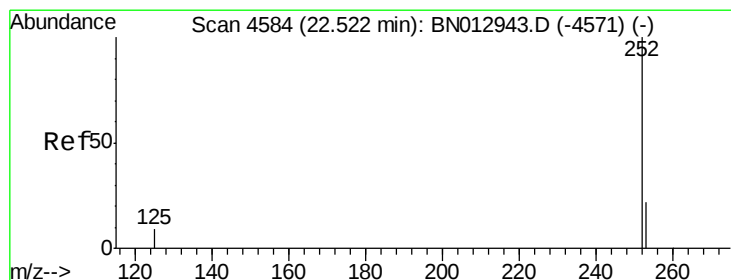
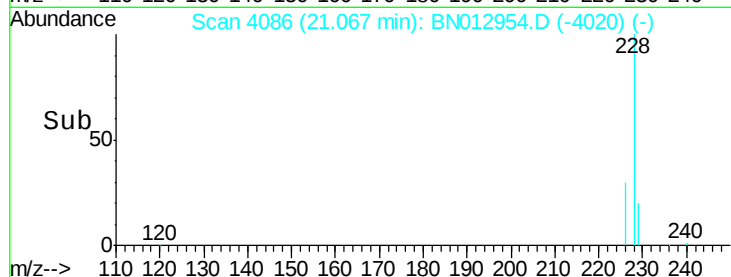
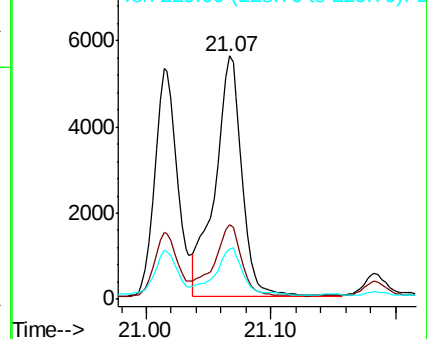
mohammad
12/9/2020 12:21:51 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 0.601 ng/ul m

RT: 22.51 min Scan# 4581

Delta R.T. -0.01 min

Lab File: BN012954.D

Acq: 08 Dec 2020 00:08

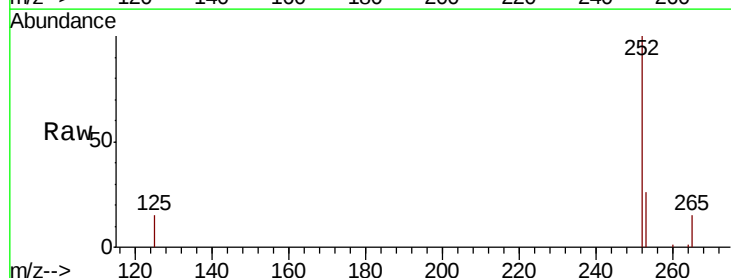
Tgt Ion:252 Resp: 12558

Ion Ratio Lower Upper

252 100

253 26.1 0.0 59.6

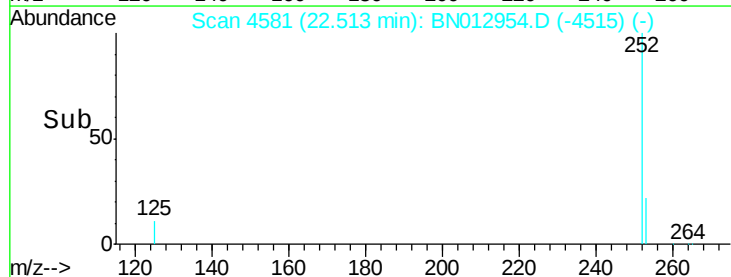
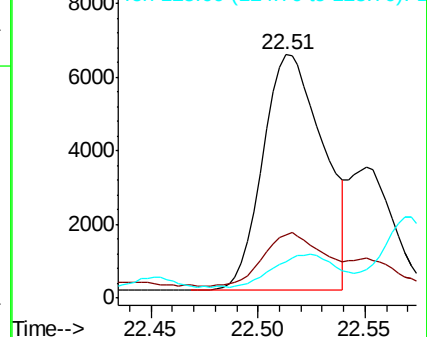
125 15.1 0.0 26.0

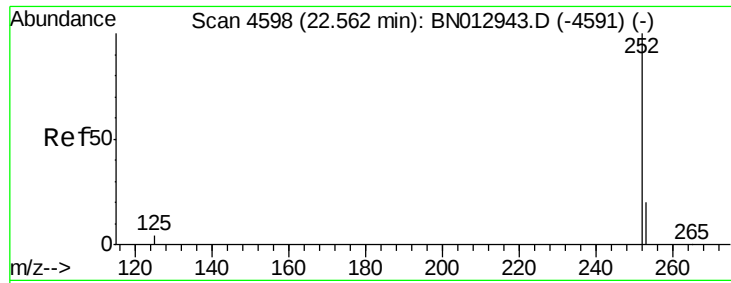


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.210 ng/ul

RT: 22.55 min Scan# 4594

Delta R.T. -0.01 min

Lab File: BN012954.D

Acq: 08 Dec 2020 00:08

Instrument :

BNA_N

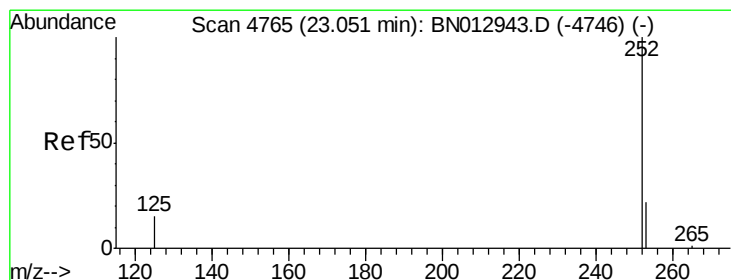
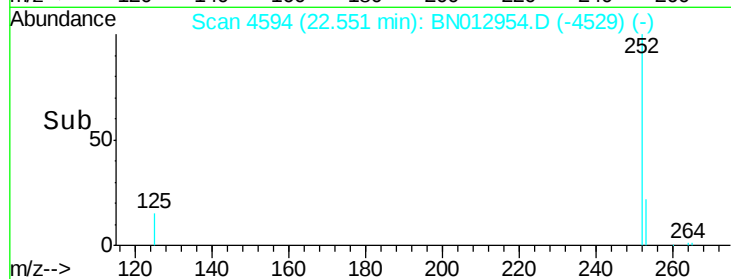
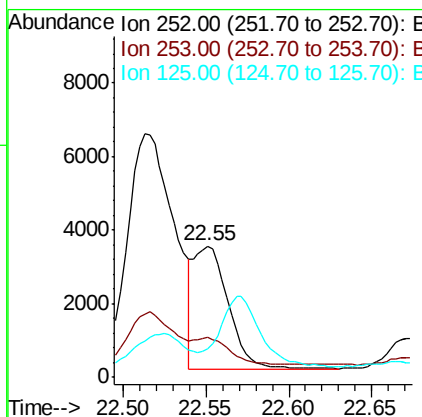
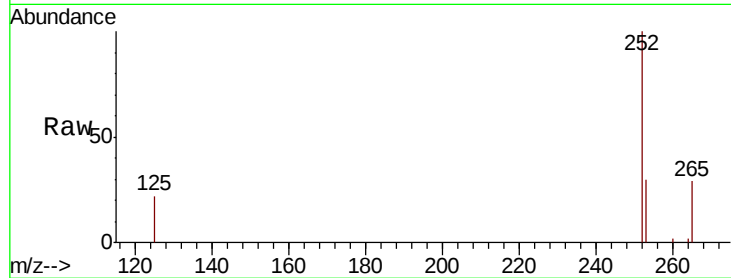
ClientSampleId :

C0B04

Tot Ion:	252	Resp:	4843
Ion Ratio	Lower	Upper	
252	100		
253	30.3	23.4	35.2
125	21.6	11.1	16.7

Manual Integrations
APPROVED

mohammad
12/9/2020 12:21:51 PM



#23

Benzo(a)pyrene

Concen: 0.400 ng/ul

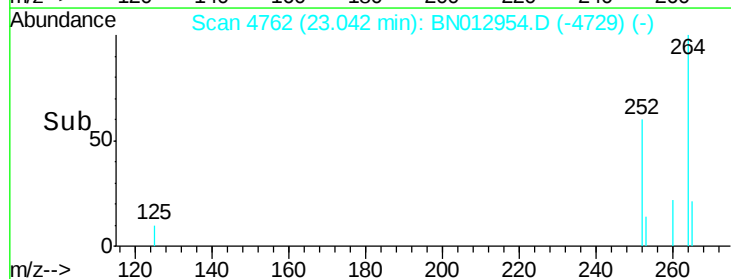
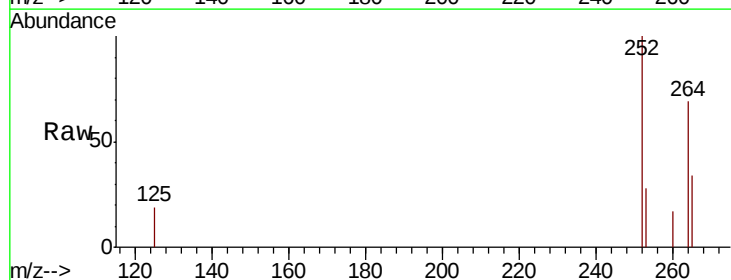
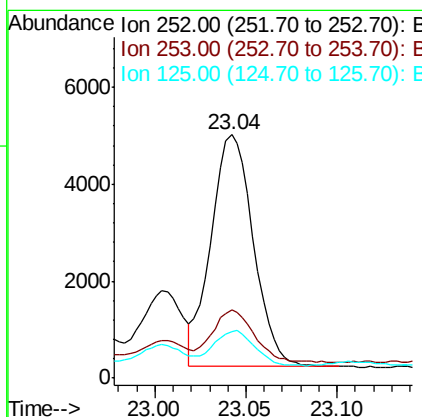
RT: 23.04 min Scan# 4762

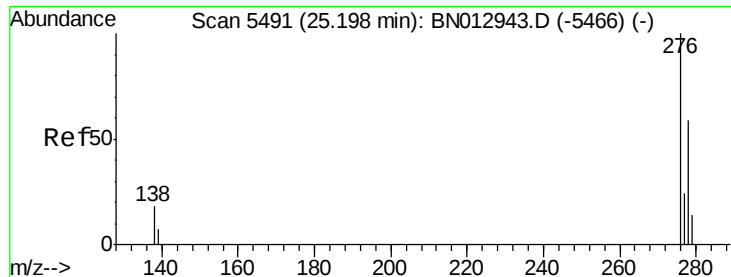
Delta R.T. -0.00 min

Lab File: BN012954.D

Acq: 08 Dec 2020 00:08

Tgt Ion:	252	Resp:	7765
Ion Ratio	Lower	Upper	
252	100		
253	27.8	26.5	39.7
125	19.1	14.2	21.2





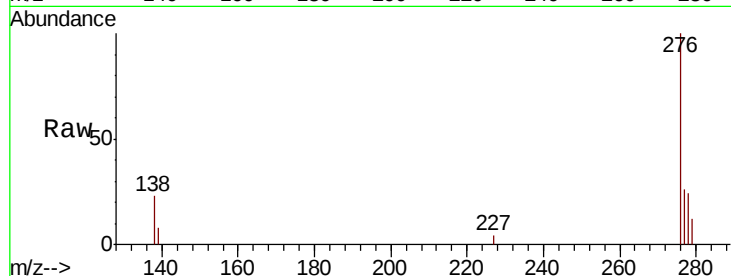
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.208 ng/u1
RT: 25.19 min Scan# 5488
Delta R.T. -0.00 min
Lab File: BN012954.D
Acq: 08 Dec 2020 00:08

Instrument :
BNA_N
ClientSampleId :
C0B04

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.9	16.2	24.2#
227	0.0	0.0	0.0

Manual Integrations
APPROVED

mohammad
12/9/2020 12:21:51 PM

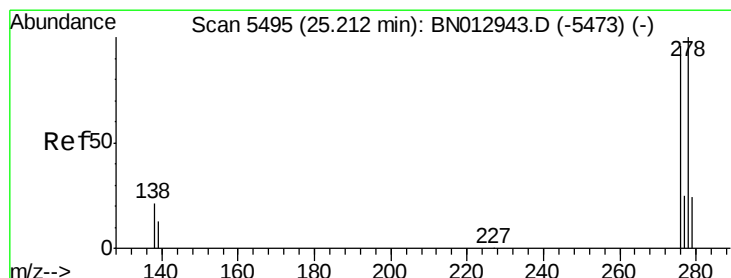
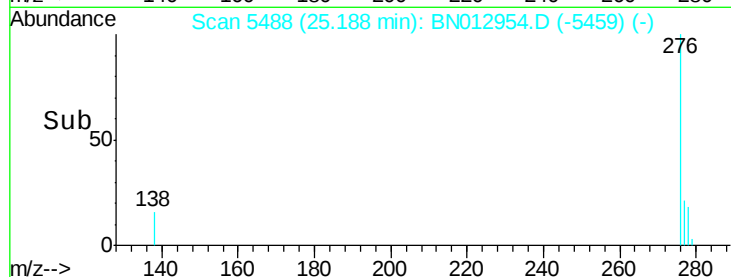
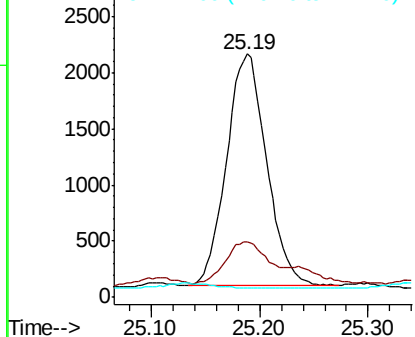


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



#25
Dibenzo(a,h)anthracene
Concen: 0.066 ng/u1
RT: 25.19 min Scan# 5489
Delta R.T. -0.02 min
Lab File: BN012954.D
Acq: 08 Dec 2020 00:08

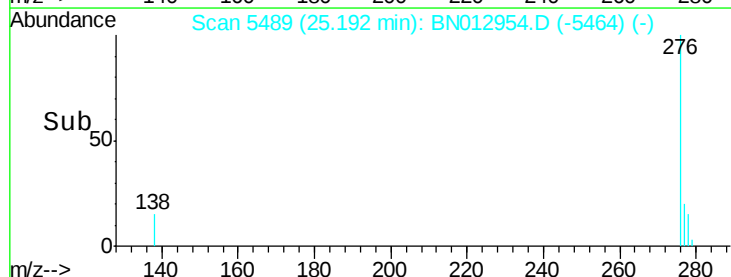
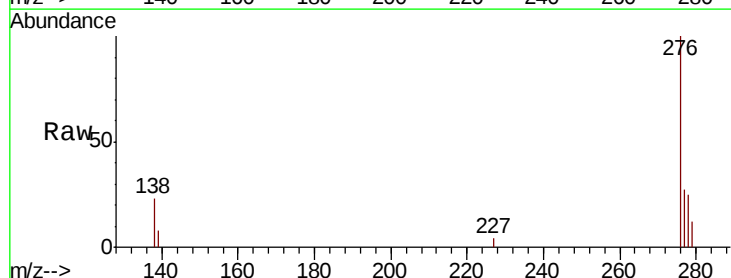
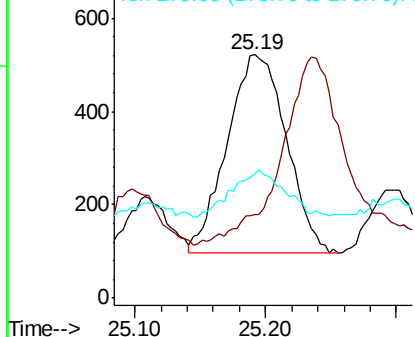
Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.3	14.5	21.7#
279	51.0	26.3	39.5#

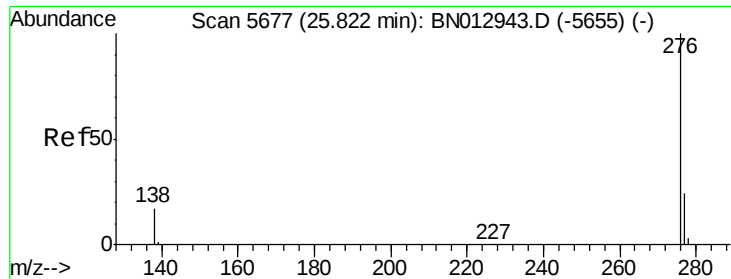
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





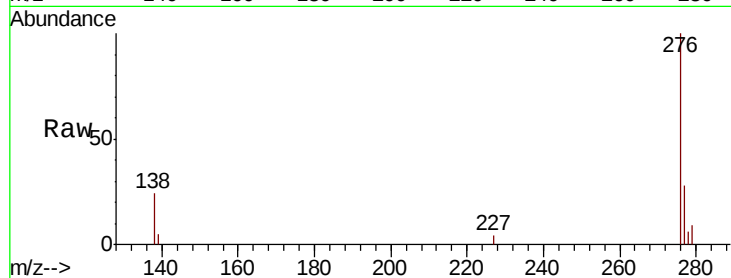
#26
Benzo(a,h,i)perylene
Concen: 0.233 ng/ul
RT: 25.82 min Scan# 5675
Delta R.T. -0.01 min
Lab File: BN012954.D
Acq: 08 Dec 2020 00:08

Instrument :
BNA_N
ClientSampleId :
C0B04

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.7	16.3	24.5
277	28.3	21.8	32.6

Manual Integrations
APPROVED

mohammad
12/9/2020 12:21:51 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

